Computer Science
LINUX KERNEL METRICS

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Filesystem speed is a critical component of overall system
performance. We introduced mechanisms into the linux kernel to allow
us to track many parameters of filesystem performance. This is a work
in progress and in this talk we will discuss the methods we are using
to gather data, as well as issues we have encountered in the
implementation thereof. We are focusing our research on the area of
block-level transfers between main memory and a block device. We hope
to be able to suggest improvements to the I/O algorithms which will
improve the average throughput of the system.